

## PATENT ABSTRACTS OF JAPAN

(11) Publication number : 57-132343  
 (43) Date of publication of application : 16.08.1982

(51) Int. Cl. H01L 23/08

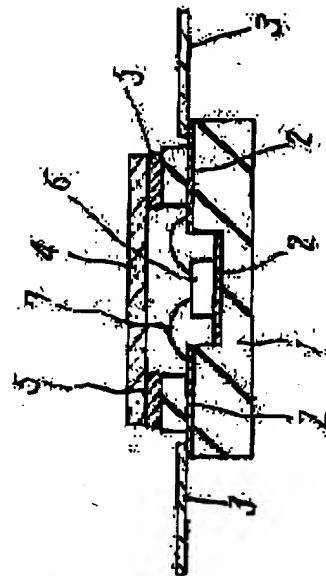
(21) Application number : 58-209264  
 (22) Date of filing : 25.12.1981

(71) Applicant : HITACHI LTD  
 (72) Inventor : MURAKAMI HAJIME  
 UCHIUMI CHIKATAKE  
 YASUI NORIMASA  
 KANEKO KOICHI  
 ADACHI EIICHI  
 OTSUKA KANJI  
 KIYONO MASAMI

## (54) MANUFACTURE OF SEMICONDUCTOR DEVICE FOR MEMORY

## (57) Abstract:

PURPOSE: To prevent the exfoliation of a cover body resulting from the difference of the thermal expansion coefficient of a ceramic package for a memory cell, which can be erased by ultraviolet rays, and the cover body by using transparent alumina or sapphire as the cover body. CONSTITUTION: A conductor layer 2 is disposed to the inside and extending over the outside from the inside of the ceramic package 1, and lead wires 3 are connected to the external conductor layer 2. A FAMOS semiconductor cell 6 is mounted into the package 1, and the package 1 is sealed by the cover 4 consisting of a transparent alumina board or sapphire board of materials, through which the ultraviolet rays are transmitted sufficiently and the thermal expansion coefficient thereof is approximately the same as the package. Low melting point glass 5, which is made of a non-permeable material and expansion and contraction thereof are little, is used as adhesives in order to fix the cover 4. The exfoliation of the cover resulting from the difference of the thermal expansion coefficient is not generated because the thermal expansion coefficient of the cover 4 and the package 1 approximately equal.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of